Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 17. (Canceled).

18. (Currently Amended) A packet transfer device for controlling a transfer of a plurality of packets between a client and a destination, said packet transfer device comprising:

a DNS proxy unit for receiving a name resolution response message transmitted from a name resolution server to said client, said name resolution response message including an IP address corresponding to said destination and one or more packet transfer information fields, and for rewriting a routing table of said DNS proxy unit to include said IP address and said one or more packet transfer information fields,

wherein said DNS proxy unit is configured to control said transfer of the packets between said client and said destination according to said one or more packet transfer information fields,

wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier, [[and]]

wherein said one or more packet transfer information fields include the packet transfer priority ~~field~~ field,

wherein the packet transfer device further comprises a user information obtaining unit which obtains attribute information regarding a sender of a name resolution request message transmitted from said client to said name resolution server,

wherein said DNS proxy unit, upon receiving said name resolution request message, obtains said attribute information regarding the sender of said name resolution request message through said user information obtaining unit and transmits said name resolution request message with said attribute information added to said name resolution server, and

wherein said attribute information includes at least one of a login identifier of the sender, information identifying a geographic location of the sender, information identifying a type of a sender device used by the sender in sending the name resolution request message, and information identifying a type of a network coupling the sender device to the name resolution server.

19. (Canceled).

20. (Previously Presented) The packet transfer device as set forth in claim 18, wherein in response to said name resolution response message, said DNS proxy unit deletes said one or more packet transfer information fields from said name resolution response message before transmitting said name resolution response message to said client.

21. (Canceled).

22. (Canceled).

23. (Currently Amended) The packet transfer device as set forth in ~~claim 22~~ claim 18, further comprising,

as an internal element, a user information database in which said attribute information is stored, wherein

said user information obtaining unit obtains said attribute information from said user information database.

24. (Currently Amended) The packet transfer device as set forth in ~~claim 22~~ claim 18, wherein

said user information obtaining unit obtains said attribute information from an external database server having a user information database in which said attribute information is stored.

25. (Original) The packet transfer device as set forth in claim 24, wherein

said user information obtaining unit uses a name resolution request message in obtaining said attribute information from said external database server.

26. (Previously Presented) The packet transfer device as set forth in claim 24, wherein

said external database server is a name resolution server externally disposed.

27. (Previously Presented) The packet transfer device as set forth in claim 23, further comprising:

a user authentication unit which identifies and authenticates a user, and

a user information updating unit which updates the contents of said user information database based on attribute information regarding said user obtained at the time of authentication.

28 - 46. (Canceled).

47. (Currently Amended) A computer-readable storage medium storing computer-readable instructions, said computer-readable instructions configured to cause a computing device to:

perform a proxy function of receiving a name resolution response message transmitted from a name resolution server to a client, said name resolution response message including an IP address according to a destination and one or more packet transfer information fields, and

rewriting a routing table to include said IP address and said one or more packet transfer information fields; and

control a transfer of a plurality of packets between said client and said destination according to said one or more packet transfer information fields,

wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier, [[and]]

wherein said one or more packet transfer information fields include the packet transfer priority ~~field~~ field,

wherein said computer-readable instructions are further configured to cause the computing device to obtain attribute information regarding a sender of a name resolution request message transmitted from said client to said name resolution server and to transmit said name resolution request message with said attribute information added to said name resolution server,

wherein said attribute information includes at least one of a login identifier of the sender, information indicating a geographic location of the sender, information indicating a type of a sender device used by the sender in sending the name resolution request message, and information indicating a type of a network coupling the sender device to the name resolution server.

48. (Canceled).

49. (Previously Presented) The computer-readable storage medium as set forth in claim 47, wherein said computer-readable instructions are further configured to cause the computing device to:

in response to said name resolution response message delete said one or more packet transfer information fields from said name resolution response message; and

transmit said name resolution response message to said client.

50. - 53. (Canceled).

54. (Currently Amended) A packet transfer method of transferring a plurality of packets between a client and a destination, said method comprising:

receiving a name resolution response message transmitted from a name resolution server to said client, said name resolution response message including an IP address corresponding to said destination and one or more packet transfer information fields;

rewriting a routing table to include said IP address and said one or more packet transfer information fields; and

controlling said transfer of said packets between said client and said destination according to said IP address and said one or more packet transfer information fields,

wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier, [[and]]

wherein said one or more packet transfer information fields include the packet transfer priority ~~field~~ field,

wherein said method further comprises:

obtaining attribute information regarding a sender of a name resolution request message transmitted from said client to said name resolution server; and

transmitting said name resolution request message with said attribute information added to said name resolution server, and

wherein said attribute information includes at least one of a login identifier of the sender, information indicating a geographic location of the sender, information indicating a type of a sender device used by the sender in sending the name resolution request message,

and information indicating a type of a network coupling the sender device to the name resolution server.

55. – 58. (Canceled).

59. (New) A packet transfer method of transferring a plurality of packets from a destination to each of a plurality of clients, said method comprising:

receiving, at a packet transfer device, a first name resolution response message transmitted from a name resolution server to a first client of said clients, said first name resolution response message including a first IP address corresponding to said destination and one or more first packet transfer information fields;

receiving, at the packet transfer device, a second name resolution response message transmitted from the name resolution server to a second client of said clients, said second name resolution response message including a second IP address corresponding to said destination and one or more second packet transfer information fields, said second IP address being different from said first IP address;

rewriting a routing table to include said first and said second IP addresses and said one or more first and said one or more second packet transfer information fields;

controlling said transfer of said packets from said destination to said first client according to said first IP address and said one or more first packet transfer information fields; and

controlling said transfer of said packets from said destination to said second client according to said second IP address and said one or more second packet transfer information fields.